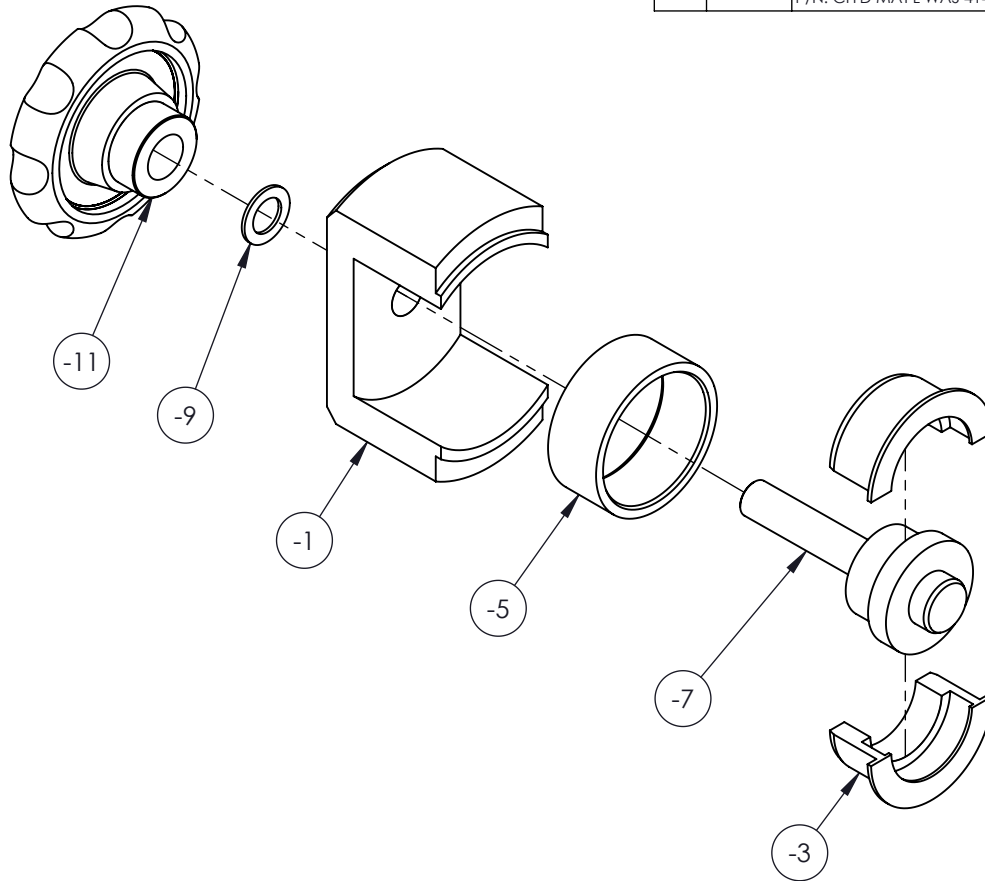


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| REVISIONS | | | | | |
|-----------|---------|--|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 1 | | CH'D -1 ENGRAVE NOTES. ADDED -3 CUT LINE GAP TOLERANCE FROM .040. CH'D -5 GEO. TOL. FROM PERPENDICULAR. | 5/6/2011 | RJC | RW |
| 2 | 17-0094 | UPDATED TO NEW DRAFTING STANDARD. -1 CH'D DIM'S WAS 2.360 IS 2.36, WAS 1.930 IS 1.93, WAS 2.520 IS 2.52. CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6305G16031-3G" S/N, "MADE IN USA" IS ENGRAVE T/N, S/N, "MADE IN USA. WAS ENGRAVE T/N "RBW6305G16031-3G-1" IS ENGRAVE P/N. -3 CH'D DIM'S WAS 1.316 (x2) IS (2X 1.316). CH'D DIM'S WAS 1.141 IS 1.14, WAS BASIC .079 IS .079, WAS BASIC Ø1.784 IS Ø1.784, WAS BASIC .058 IS .058. CH'D POSITION OF GEOMETRIC TOLERANCE BLOCK FOR CLARITY .003 CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3" IS ENGRAVE P/N. -5 CH'S DIM WAS 1.061 IS 1.06. CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3G-5" IS ENGRAVE P/N. -7 CH'D DIM WAS 4.250 IS 4.25. DELETED DIM .178. ADDED DIM 2.61. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F, TYPE II, CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2. CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3G-7" IS ENGRAVE P/N. CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. | 4/21/2017 | RJC | JAG |



UNDER REVIEW
ECR 463

NOTE:

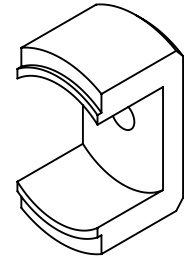
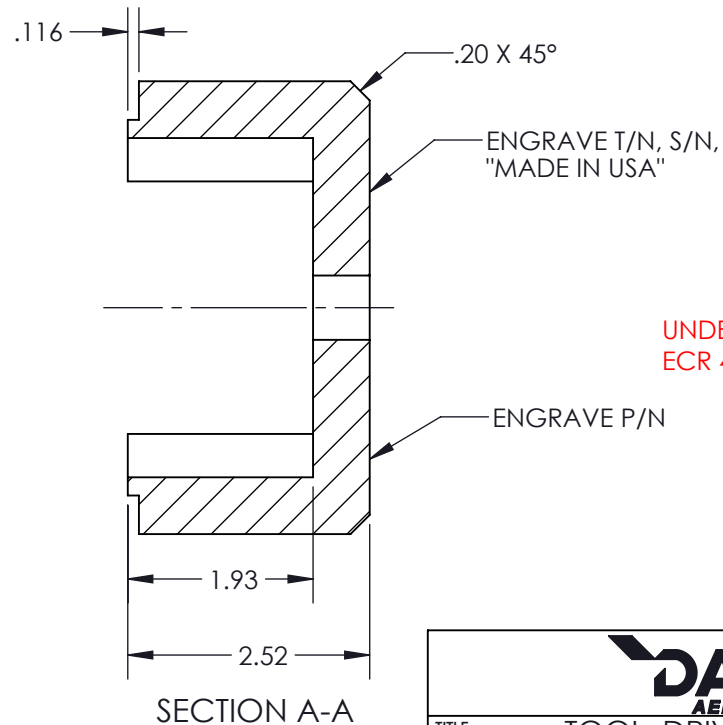
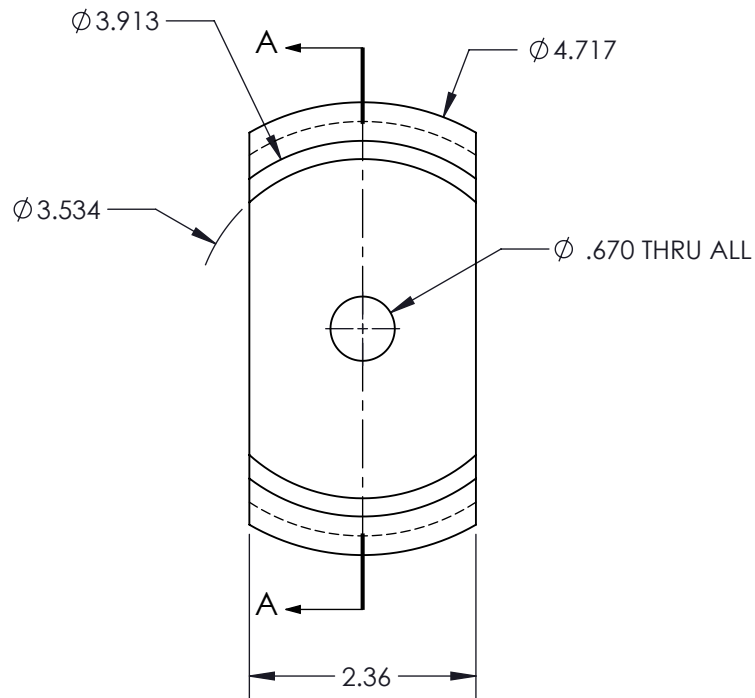
1. ALSO SOLD WITH KIT RBW6305G01531-3G, BOX TWO RBW6305G19731-3G.
2. REF. AGUSTA T/N 3G6305G16031.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------------|-------|----------------------------|------------|--------------------------|--------|-----------------------------|--|------------------------|--|-------------------------|------|--------------------------|--|---------------------|------------------|-----------------------------|------------------------|---------------|--------------------------|------------------------------|------------------------|------------------|--------------------------|---------------|--|-------|-----------|---------------|--|--------------|
| DART AEROSPACE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TITLE TOOL, DRIVE QUILL SEAL HOUSING REMOVER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DWG NO. RBW6305G16031-3G | REV 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td></td> <td>.XX ± .01 ANGLES ± .5°</td> </tr> <tr> <td></td> <td>.X ± .1 SURFACES = 125✓</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES</td> </tr> <tr> <td></td> <td>.015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: CLOUGH</td> <td>2. DIMENSIONAL LIMITS APPLY</td> </tr> <tr> <td>CHECKED: DD 05/01/2017</td> <td>AFTER PLATING</td> </tr> <tr> <td>OPPS APPR: AA 05/05/2017</td> <td>3. INTERPRET DIM AND TOL PER</td> </tr> <tr> <td>QA APPR: JL 05/10/2017</td> <td>ASME Y14.5M-2009</td> </tr> <tr> <td>APPROVED: JAG 05/16/2017</td> <td>USED ON MODEL</td> </tr> <tr> <td></td> <td>AW139</td> </tr> <tr> <td>SCALE 1:3</td> <td>DATE 2/4/2011</td> </tr> <tr> <td></td> <td>SHEET 1 OF 5</td> </tr> </table> | | MAT'L | UNLESS OTHERWISE SPECIFIED | HEAT TREAT | DIMENSIONS ARE IN INCHES | FINISH | .XXX ± .005 FRACTIONS ± 1/8 | | .XX ± .01 ANGLES ± .5° | | .X ± .1 SURFACES = 125✓ | SPEC | 1. BREAK ALL SHARP EDGES | | .015 x 45° OR .015R | DRAWN BY: CLOUGH | 2. DIMENSIONAL LIMITS APPLY | CHECKED: DD 05/01/2017 | AFTER PLATING | OPPS APPR: AA 05/05/2017 | 3. INTERPRET DIM AND TOL PER | QA APPR: JL 05/10/2017 | ASME Y14.5M-2009 | APPROVED: JAG 05/16/2017 | USED ON MODEL | | AW139 | SCALE 1:3 | DATE 2/4/2011 | | SHEET 1 OF 5 |
| MAT'L | UNLESS OTHERWISE SPECIFIED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEAT TREAT | DIMENSIONS ARE IN INCHES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FINISH | .XXX ± .005 FRACTIONS ± 1/8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | .XX ± .01 ANGLES ± .5° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | .X ± .1 SURFACES = 125✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPEC | 1. BREAK ALL SHARP EDGES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | .015 x 45° OR .015R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY: CLOUGH | 2. DIMENSIONAL LIMITS APPLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHECKED: DD 05/01/2017 | AFTER PLATING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OPPS APPR: AA 05/05/2017 | 3. INTERPRET DIM AND TOL PER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| QA APPR: JL 05/10/2017 | ASME Y14.5M-2009 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPROVED: JAG 05/16/2017 | USED ON MODEL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AW139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SCALE 1:3 | DATE 2/4/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SHEET 1 OF 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|----------|----------|-----|--------|----------|-----------------|-----------|---|-----|
| | | | -1 | 1 | FRAME | 6061 | | 2 |
| | | | -3 | 2 | TWO HALF KEEPER | 6061 | | 3 |
| | | | -5 | 1 | LOCK RING | 6061 | | 4 |
| | | | -7 | 1 | PULLER | 4140/4142 | | 5 |
| | | B/O | -9 | 1 | WASHER | ALUMINUM | Ø5/8 I.D. X Ø1 O.D. X .063 (MCMASTER-CARR #92661A745) | 1 |
| | | B/O | -11 | 1 | 6 LOBE KNOB | PLASTIC | 5/8-11 X Ø3.90 O.D. X 1.73 (ESSENTRA COMPONENTS #KHN-115) | 1 |

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| REVISIONS | | | | | |
|-----------|---------|--|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 1 | | CH'D -1 ENGRAVE NOTES. | 5/6/2011 | RJC | RW |
| 2 | 17-0094 | -1 CH'D DIM'S WAS 2.360 IS 2.36, WAS 1.930 IS 1.93, WAS 2.520 IS 2.52. CH'D ENGRAVE NOTE WAS ENGRAVE T/N "RBW6305G16031-3G" S/N, "MADE IN USA" IS ENGRAVE T/N, S/N, "MADE IN USA, WAS ENGRAVE T/N "RBW6305G16031-3G-1" IS ENGRAVE P/N. | 4/21/2017 | RJC | JAG |



UNDER REVIEW
ECR 463

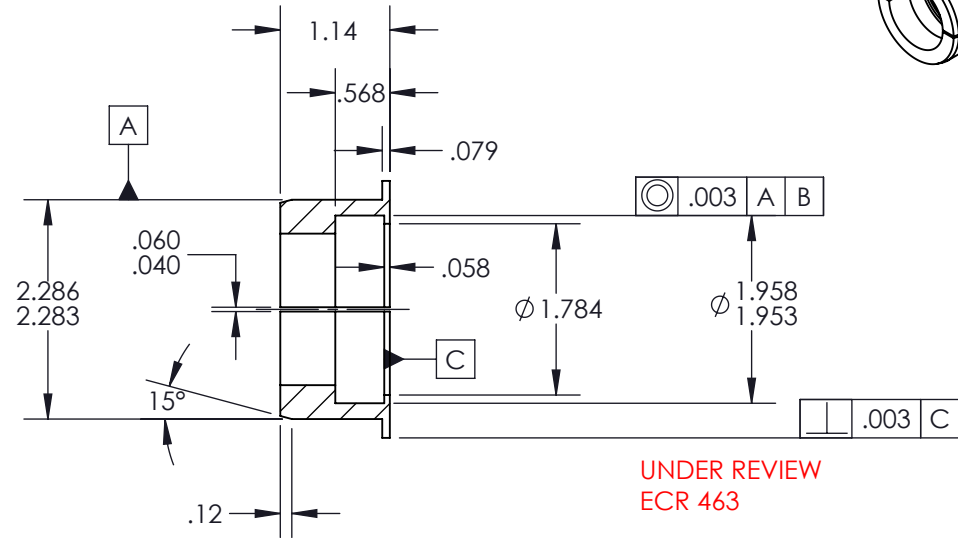
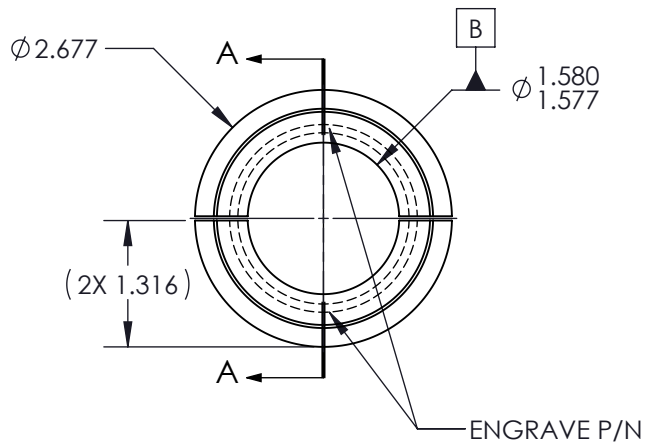
(-1)

FRAME

| | |
|--|---|
| DART AEROSPACE | |
| TITLE TOOL, DRIVE QUILL SEAL HOUSING REMOVER | |
| DWG NO. RBW6305G16031-3G-1 | REV 2 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 |
| FINISH CLEAR ANODIZE | .XX ± .01 ANGLES ± .5° |
| SPEC MIL-A-8625F, TYPE II, CLASS I | .X ± .1 SURFACES = 125/✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: DD 05/01/2017 | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: AA 05/05/2017 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: JL 05/10/2017 | USED ON MODEL |
| APPROVED: JAG 05/16/2017 | AW139 |
| SCALE 1:2 | DATE 2/4/2011 |
| SHEET 2 OF 5 | |

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| REVISIONS | | | | | |
|-----------|---------|---|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 1 | | ADDED -3 CUT LINE GAP TOLERANCE FROM .040. | 5/6/2011 | RJC | RW |
| 2 | 17-0094 | -3 CH'D DIM'S WAS 1.316 (x2) IS (2X 1.316). WAS 1.141 IS 1.14, WAS BASIC .079 IS .079, WAS BASIC Ø1.784 IS Ø1.784, WAS BASIC .058 IS .058, CH'D POSITION OF GEOMTRIC TOLERANCE BLOCK FOR CLARITY $\text{Ⓜ} \text{.003} \text{C}$. CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3" IS ENGRAVE P/N. | 4/21/2017 | RJC | JAG |



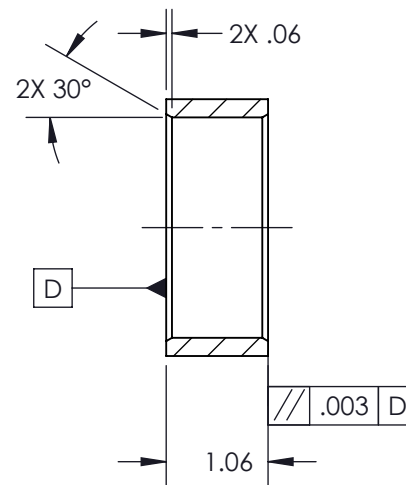
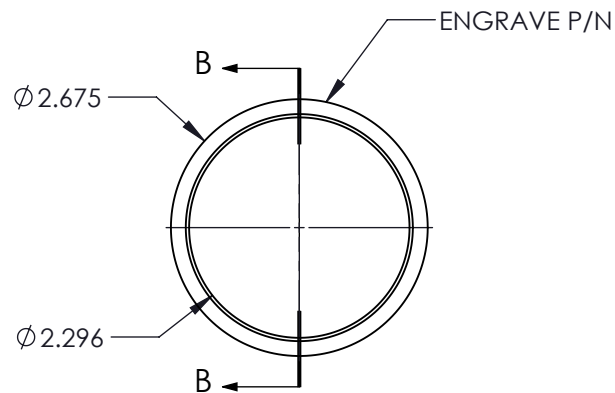
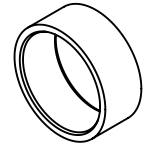
SECTION A-A

(3)
TWO HALF KEEPER

| | |
|--|--|
| DART AEROSPACE | |
| TITLE TOOL, DRIVE QUILL SEAL HOUSING REMOVER | |
| DWG NO. RBW6305G16031-3G-3 | REV 2 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 |
| FINISH CLEAR ANODIZE | .XX ± .01 ANGLES ± .5° |
| SPEC MIL-A-8625F, TYPE II, CLASS I | .X ± .1 SURFACES = 125 ✓ |
| DRAWN BY: CLOUGH | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: DD 05/01/2017 | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: AA 05/05/2017 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: JL 05/10/2017 | USED ON MODEL |
| APPROVED: JAG 05/16/2017 | AW139 |
| SCALE 1:2 | DATE 2/4/2011 |
| SHEET 3 OF 5 | |

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| REVISIONS | | | | | |
|-----------|---------|--|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 1 | | CH'D -5 GEO. TOL. FROM PERPENDICULAR. | 5/6/2011 | RJC | RW |
| 2 | 17-0094 | -5 CH'S DIM WAS 1.061 IS 1.06. CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3G-5" IS ENGRAVE P/N. | 4/21/2017 | RJC | JAG |



SECTION B-B

UNDER REVIEW
ECR 463

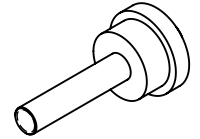
(-5)

LOCK RING

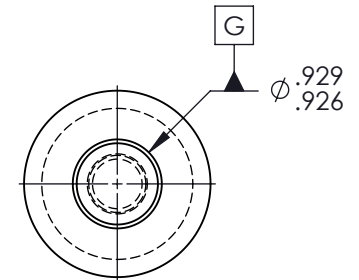
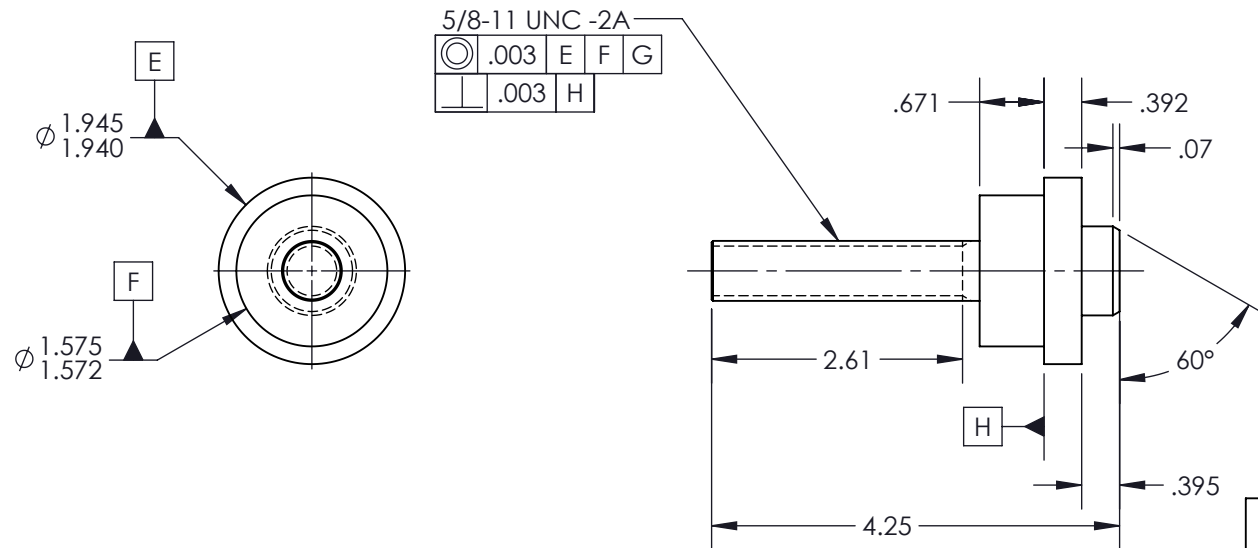
| | |
|--|---|
| DART AEROSPACE | |
| TITLE TOOL, DRIVE QUILL SEAL HOUSING REMOVER | |
| DWG NO. RBW6305G16031-3G-5 | REV 2 |
| MAT'L 6061 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT | DIMENSIONS ARE IN INCHES |
| FINISH CLEAR ANODIZE | .XXX \pm .005 FRACTIONS \pm 1/8 |
| SPEC MIL-A-8625F, TYPE II, CLASS I | .XX \pm .01 ANGLES \pm 5° |
| DRAWN BY: CLOUGH | .X \pm .1 SURFACES = 125° |
| CHECKED: DD 05/01/2017 | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: AA 05/05/2017 | .015 x 45° OR .015R |
| QA APPR: JL 05/10/2017 | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| APPROVED: JAG 05/16/2017 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:2 | USED ON MODEL |
| DATE 2/4/2011 | AW139 |
| SHEET 4 OF 5 | |

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| REVISIONS | | | | | |
|-----------|---------|---|-----------|---------|----------|
| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
| 2 | 17-0094 | -7 CH'D DIM WAS 4.250 IS 4.25. DELETED DIM .178. ADDED DIM 2.61. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F, TYPE II, CLASS II IS ZINC PLATE ASTM B633 TYPE I SC2. CH'D ENGRAVE NOTE WAS ENGRAVE TOOL No. "RBW6305G16031-3G-7" IS ENGRAVE P/N. CH'D MAT'L WAS 4140 Q&T IS 4140/4142. ADDED HEAT TREAT RC 28-34. | 4/21/2017 | RJC | JAG |



UNDER REVIEW
ECR 463



| | |
|--|---|
| DART AEROSPACE | |
| TITLE TOOL, DRIVE QUILL SEAL HOUSING REMOVER | |
| DWG NO. RBW6305G16031-3G-7 | REV 2 |
| MAT'L 4140/4142 | UNLESS OTHERWISE SPECIFIED |
| HEAT TREAT RC 28-34 | DIMENSIONS ARE IN INCHES |
| FINISH ZINC PLATE | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC ASTM B633 TYPE I SC 2 | .XX ± .01 ANGLES ± 5° |
| DRAWN BY: CLOUGH | .X ± .1 SURFACES = 125° |
| CHECKED: DD 05/01/2017 | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: AA 05/05/2017 | .015 x 45° OR .015R |
| QA APPR: JL 05/10/2017 | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| APPROVED: JAG 05/16/2017 | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:2 | DATE 2/4/2011 |
| SHEET 5 OF 5 | |

(-7)
PULLER